

A SCALABLE, MODULAR, HIGH AVAILABILITY FAN SYSTEM

ABSTRACT OF THE DISCLOSURE

In one embodiment, the invention recites a fan motor assembly with integrated
5 redundant availability. The fan motor assembly comprises a fan motor subassembly with
a plurality of replaceable fan motors, and a fan motor selector mechanism coupled to the
fan motor subassembly, so that the fan motor selector mechanism selectively engages
one of the plurality of replaceable fan motors to a fan. The fan motor assembly further
comprises a control unit which is coupled to the fan motor selector mechanism which is
10 configured to control the fan motor selector mechanism such that a first replaceable fan
motor mechanically powers the fan while a second replaceable fan motor can be
dynamically removed from the fan motor subassembly.

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